MISSOURI DEPARTMENT OF TRANSPORTATION



PREFACE

This manual is intended as a visual reference to the settings managers used by the Missouri Department of Transportation (MoDOT) Design Division. It was created in cooperation with the CADD Support Center, CADD Quality Circle, and the Support Center Design Division. This publication is distributed by the MoDOT Support Center Design Division. The effective date of this publication is 12/12/01.

This manual was constructed to support the MoDOT Project Development Manual, Section 4-03. The items listed are in settings manager order from Title Sheet to Cross-Section/Preliminary Plan. It is intended to help all MicroStation® CADD users identify and utilize the proper text and symbology, established by the department, while constructing plans for highway construction. Each item has a graphical representation and a description of its type, color, level, line weight, line style, and text height (if applicable). Text heights are dual dimensioned in mm and inches respectively, i.e. 2.5 (.10). These standards where developed to ensure uniformity of highway plans created by the department throughout the state of Missouri.

By providing this manual the Missouri Department of Transportation does not intend to form a contract with any person, nor shall any of the information be relied upon by any person as forming a part of any contract.

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Preliminary PlanLocated in pull down menu "MoDot\Preliminary Plan"

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All Setting Managers

Notes

Component Type: Text Line Style: 0	Color	Level	Line Weight	Text Height
Note 2.5mm (.10")	7	2	1	2.5 (.10)
Note 3.05mm (.12")	5	2	2	3.05 (.12)
Note 3.8mm (.15")	4	2	4	3.8 (.15)
Note 4.6mm (.18")	1	2	5	4.6 (.18)
<pre>←Note 5.3mm (.21")</pre>	2	2	7	5.3 (.21)
Text 2.5mm (.10")	7	2	1	2.5 (.10)
Text 3.05mm (.12")	5	2	2	3.05 (.12)
Text 3.8mm (.15")	4	2	4	3.8 (.15)
Tex+ 4.6mm (.18")	1	2	5	4.6 (.18)
Text 5.3mm (.21")	2	2	7	5.3 (.21)
Text General Note	4	14	4	3.05 (.12)

Title

Notes

Component Type: Text Line Style: 0	Color	Level	Line Weight	Text Height
Text City Name	5	28	5	4.6 (.18)
TExt Population	5	28	4	3.8 (.15)
← Text Station Limits	0	16	5	4.6 (.18)
Text Township/Range	10	28	4	3.8 (.15)

Typical Sections

Notes

Component Type: Text Line Style: 0	Color	Level	Line Weight	Text Height
≺──Note Pavement History	4	21	2	3.05 (.12)
Note with Slope Arrow	5	21	2	3.05 (.12)

Summary

Notes

Component Type: Text Line Style: 0	Color	Leve	Line Weight	Text Height
See "All Settings Managers" Above				

Plan

Drainage (notes only)

Component Type: Text Line Style: 0	Color	Level	Line Weight	Text Height
Note CMP,PVC,RCP,Culv't	31	43	4	3.05 (.12)
Note Conc Bastn	31	41	1	2.03 (.08)
Note Ditch Block	68	41	2	3.05 (.12)
Note Ditch Lining & Size	52	43	2	3.05 (.12)
Note Ditch Type	52	41	2	3.05 (.12)
Note Rock Type	0	12	2	3.05 (.12)
Note Slope Line	53	42	2	3.05 (.12)
Text CMP,PVC,RCP,Culv't	31	43	4	3.05 (.12)
Text Removals (R)	0	61	2	3.05 (.12)

Plan

Exhibits (notes only)

Component Type: Text Line Style: 0	Color	Level	Line Weight	Text Height
BLOCK Style Text Small	5	2	2	3.05 (.12)
BLOCK Style Text Medium	4	2	4	3.8 (.15)
BLOCK Style Text Large	1	2	5	4.6 (.18)
BLOCK Text X-Large	2	2	7	5.33 (.21)
Text Small	5	2	2	3.05 (.12)
Tex+ Medium	4	2	4	3.8 (.15)
Text Large	1	2	5	4.6 (.18)
Text Extra Large	2	2	7	5.33 (.21)

Plan

General Construction (Build)

Component Type: Text Line Style: 0	Color	Level	Line Weight	Text Height
Note Abandoned	0	15	2	3.05 (.12)
Note Cons't Dept 2.5mm	2	13	1	2.5 (.10)
Note Cons't Dept 3.05mm (.12")	2	13	2	3.05 (.12)
Note Cons't Dept 3.8mm (.15")	2	13	4	3.8 (.15)
Note Cons't Dept 4.6mm (.18")	2	13	5	4.6 (.18)
<pre></pre>	2	13	7	5.3 (.21)
← Note Grading (Grade To Drain)	52	15	2	3.05 (.12)
Note Linear Grading Type	0	15	2	3.05 (.12)
Note Misc Details	0	58	4	3.05 (.12)
Note No Direct Pay	0	15	2	3.05 (.12)
Note Obliteration	0	61	4	3.05 (.12)
← Note Saw Cut - Pav't Repair	0	15	2	3.05 (.12)
Text (L.I.P.)(UIP)(DND)	5	15	2	3.05 (.12)
Text Beg./ End Project	20	3	2	3.05 (.12)
Text Cons't Dept 2.5mm .10"	2	13	1	2.5 (.10)
Text Cons't Dept 3.05mm (.12")	2	13	2	3.05 (.12)
Text Cons't Dept 3.8mm (.15")	2	13	4	3.8 (.15)
Text Cons't Dept 4.6 mm (.18")	2	13	5	4.6 (.18)
Text Cons't Dept 5.3mm (.21")	2	13	7	5.3 (.21)
Text General Note	4	14	4	3.05 (.12)
Text Removals (R)	0	61	2	3.05 (.12)

Plan R/W

Component Type: Text Line Style: 0	Color	Level	Line Weight	Text Height
Note City Limits	5	28	4	3.05 (.12)
Note Esm't (Perm)	2	29	4	3.8 (.15)
Note Esm't (Temp)	6	61	4	3.05 (.12)
Note R/W (Exist)	6	30	4	3.8 (.15)

Plan

R/W (Cont.)

Color	Level	Line Weight	Text Height
2	31	5	3.8 (.15)
8	38	4	3.8 (.15)
2	32	4	3.8 (.15)
10	27	1	2.03 (.08
5	28	5	3.8 (.15)
10	28	5	3.8 (.15)
2	29	4	3.05 (.12)
10	28	5	3.8 (.15)
5	28	1	2.03
6	32	5	3.8 (.15)
2	32	5	3.8 (.15)
16	28	4	3.05 (.12)
10	28	4	3.05 (.12)
1	28	4	3.8 (.15)
5	28	4	3.05 (.12)
5	28	4	3.05 (.12)
10	28	4	3.05 (.12)
10	27	2	3.05 (.12)
	2 8 2 10 5 10 2 10 5 6 2 16 10 1 5 5 10	2 31 8 38 2 32 10 27 5 28 10 28 2 29 10 28 5 28 6 32 2 32 16 28 10 28 1 28 5 28 5 28	2 31 5 8 38 4 2 32 4 10 27 1 5 28 5 10 28 5 2 29 4 10 28 5 5 28 1 6 32 5 16 28 4 10 28 4 1 28 4 5 28 4

Plan

Roadside

Component Type: Text Line Style: 0	Color	Level	Line Weight	Text Height
Note Environmental	99	10	4	3.8 (.15)
Note Landscaping	4	11	4	3.05 (.12)
Text Benchmark GRS	10	34	2	3.05
Text bldg (B.H.S.G) Overhang	14	35	2	3.05
Text Business Name	5	35	5	4.6 (.18)
Text Cemetery	1	34	2	3.05
Text delineator/Milemarker/SIGN	0	25	1	2.03
Text Private Property	5	33	1	2.03
Text Sdwk & Border	1	26	2	3.05
Text Steps & Wheelchair Ramp	1	26	1	2.03
Text Trail	8	34	2	2.03
Text Fence (Woven/Chain Link)	4	32	1	2.03 (.08

Plan Roadway

			+	=
Component	ō	<u>0</u>	Weight	eigh
Type: Text	Color	Leve	Line V	ex I
Line Style: 0			j	<u>™</u> 3.05
Note Abutment	0	24	2	(.12)
Note Barrier	99	24	2	3.05 (.12)
≺ Note Bridge	0	24	4	3.8 (.15)
Note Cons't Joint	0	20	1	2.03 (.08)
Note Retaining Wall	99	23	2	3.05 (.12)
Note Rte Label – Main Line	20	22	5	3.8 (.15)
Note Sound Wall	99	23	2	3.05 (.12)
≺ Note Surface Type	0	20	1	2.03 (.08)
Text Alignment Number	20	1	1	2.03
Text Bearing (along elem)	20	1	4	3.05 (.12)
Text C&G Std & Offset	11	19	2	3.05 (.12)
Text Curb – Existing	114	19	2	3.05 (.12)
Text Curb or C&G	11	19	2	3.05
Text Curve Number	20	2	1	2.03
Text Edge of Pavement (EP)	0	20	2	3.05
Text Edge of Pvmt Sta & Offset	0	20	2	3.05 (.12)
Text Entrance Edge of Apron	11	18	2	3.05
Text Entrance Radius Points	11	18	2	3.05
Text Equation	20	1	5	3.8
Text Island Radius Points	11	19	1	2.03
Text Matchline	2	22	5	(.08) 5.00 (.25)
Text Median Radius Point	20	24	2	3.05
Text Median or Median Strip	99	24	2	(.12) 3.05
Text PC,PRC,PT,TS,ST	20	3	4	(.12) 3.8 (.15)
Text Pedestrian Overpass	5	24	2	3.05
Text Ramp Number	20	21	4	(.12)
·	99	23		(.15)
Text Retain Wall Sta & Offset			2	(.12)
Text Rte Intersection Tie	20	21	5	(.15)
Text Rte Label -Perm, Connection	20	22	5	(.15)
Text Rte Label -Service/Crossrd	20	21	5	3.8 (.15)
Text Rte Label -Side/Outer Roads	20	21	5	3.8 (.15)
Text Shoulder	11	18	2	3.05
Text Shoulder Sta & Offset	11	18	2	3.05
Text Stationing	20	1	7	5.3
Text_Stationing	20	1	4	4.6 (.18)
- Existing				(.10)

Plan

Roadway (Temporary)

Component

Component Type: Text Line Style: 0	Color	Level	Line Weight	Text Height
Note Rte Label-Temp Bypass	20	61	4	3.05 (.12)
← Note Rte Label-Temp Connection	20	61	4	3.05 (.12)
← Note Rte Label-Temp Crossover	20	61	4	3.05 (.12)
Text Alignment Number	20	61	1	2.03
Text Bearing (along elem)	20	61	2	3.05 (.12)
Text Curve Number (along elem)	20	61	1	2.03 (.08)
Text Equation (above elem)	20	61	4	3.05 (.12)
Text PC,PRC,PT,TS,ST	20	61	4	3.05 (.12)
Text Rte Intersection Tie	20	61	4	3.05 (.12)
Text Stationing	20	61	4	3.05 (.12)
Text Striping Description	0	61	2	2.03 (.08)

Plan Sheet Labels

Component Type: Text Line Style: 0	Color	Level	Line Weight	Text Height
Text Date, Time, Sheet Title	0	13	0	2.85 (.11)
Text Date, Time, Sheet Title	5	6	2	3.05 (.12)
Text Dist No., Sheet No., Route	1	6	6	5.3 (.21)
Text Job No. & County	4	6	6	3.05 (.12)
Text Rev Date, Path, FN	5	7	2	3.05 (.12)

Plan Striping

Component Type: Text Line Style: 0	Color	Level	Line Weight	Text Height
← Note Permanent Striping Station	0	37	4	3.05 (.12)
← Note Permanent Striping Type	0	37	4	3.05 (.12)
Note Temp Striping Station	1	36	2	3.05 (.12)

Plan Utilities

Component Type: Text Line Style: 0	Color	Level	Line Weight	Text Height
Text Cable TV	70	56	1	2.03 (.08)
Text Gase	60	49	1	2.03 (.08)
Text Pole (Combo Utll)	5	54	1	2.03 (.08)
Text Power	51	55	1	2.03 (.08)
Text Raliroad	1	53	1	2.03 (.08)
Text Railroad Owner	1	53	4	3.8 (.15)
Text San Sewer	4	51	1	2.03 (.08)
Text Signal	0	48	1	2.03 (.08)
Text Telephone	70	52	1	2.03 (.08)
Text Utility Owner	0	57	4	3.8 (.15)
Text Water	13	50	1	2.03 (.08)

Plan

Waterways

Component Type: Text Line Style: 0	Color	Level	Line Weight	Text Height
Text 3.05mm (.12")	23	9	2	3.05 (.12)
Text 3.8mm (.15")	23	9	2	3.8 (.15)
Text 4.6mm (.18")	23	9	5	4.6 (.18)

Plan

Notes (Misc.)

Component Type: Text Line Style: 0	Color	Level	Line Weight	Text Height
Note Ditch Special	52	41	2	3.05 (.12)
Note Exist. Ground Line	1	21	2	3.05 (.12)
Note New Ground Line	0	22	2	3.05 (.12)
Text Entrance (Grade Sta. Elev)	11	17	2	3.05 (.12)
Text Flow Line Elevations	52	41	2	3.05 (.12)
Text Grade	0	21	1	2.5 (.10)
Text PC, PT Sta. Elevation	0	3	2	3.8 (.15)
Text Profile Title	1	6	5	4.6 (.18)
Text Sheet xx of xx	5	6	2	3.05 (.12)

Traffic Control

Notes

Component Type: Text Line Style: 0	Color	Level	Line Weight	Text Height
Note Barricade	0	34	2	3.05 (.12)
Note Channelizer/Cones	0	33	2	3.05 (.12)
Note Delineator	0	25	2	3.05 (.12)
← Note Flashing & Warning Light	20	39	2	3.05 (.12)
Note Perm. Construction	0	15	2	3.05 (.12)
Note Raised Pvm't Marker	20	38	2	3.05 (.12)
Note Signal	0	48	2	3.05 (.12)
Note Temp. Construction	0	61	2	3.05 (.12)
Note Temp. Island	11	37	2	3.05 (.12)
≺──Note Temp. Striping White	0	36	2	3.05 (.12)
Note Temp. Striping Yellow	20	36	2	3.05 (.12)
Note Traffic Barrier	0	35	2	3.05 (.12)
Note Work Area	0	12	2	3.05 (.12)
←NoteSign/Object Marker/Flagger	0	25	2	3.05 (.12)

Erosion Control

Notes

Component Type: Text Line Style: 0	Color	Level	Line Weight	Text Height
Note Rock Ditch Check	0	34	2	3.05 (.12)
Note Sediment Basin	1	37	2	3.05 (.12)
Note Silt Fence	7	38	2	3.05 (.12)
Note Silt Fence Ditch Check	7	36	2	3.05 (.12)
Note Slope Limits	7	42	2	3.05 (.12)
Note Sodding	4	12	2	3.05 (.12)
← Note Straw Bale Ditch Chk	5	35	2	3.05 (.12)
≺ Note Temporary Berm	52	33	2	3.05 (.12)
Note Temporary Pipe	31	39	2	3.05 (.12)

Lighting

Notes

Component Type: Text Line Style: 0	Color	Level	Line Weight	Text Height
Note (Conduit)	51	46	4	3.05 (.12)
Note (Junction Box)	5	48	4	3.05 (.12)
Note (Lighting Pattern)	0	59	4	3.05 (.12)
← Note (Power Supply/Source)	51	46	4	3.05 (.12)
Note (Power to Meter)	51	55	4	3.05 (.12)
→ Note (Striping Perm White)	0	37	2	3.05 (.12)
Note (Striping Perm Yellow)	20	37	2	3.05 (.12)
Note (Striping Temp White)	0	36	2	3.05 (.12)
← Note (Striping Temp Yellow)	20	36	2	3.05 (.12)
Text (Luminaire + and offset)	0	48	4	3.05 (.12)
Text (Luminaire Post #)	0	48	5	3.05 (.12)

Signal Sheet

Notes

Component Type: Text Line Style: 0	Color	Level	Line Weight	Text Height
Note Conduit	51	46	1	3.05 (.12)
Note Controller	0	46	1	3.05 (.12)
Note Detector	0	48	1	3.05 (.12)
Note Mast Arm	0	46	1	3.05 (.12)
Note Perm. Striping White	0	37	1	3.05 (.12)
Note Perm. Striping Yellow	20	37	1	3.05 (.12)
Note Signal	0	48	1	3.05 (.12)
Note Span Wire	0	46	1	3.05 (.12)
Note Temp. Striping White	0	36	1	3.05 (.12)
Note Temp. Striping Yellow	20	36	1	3.05 (.12)
Text Signal	0	48	2	3.05 (.12)

Signing

Notes

Component Type: Text Line Style: 0	Color	Level	Line Weight	Text Height
Note Pattern Area	0	12	2	3.05 (.12)
Note Sign	0	25	4	3.8 (.15)

Signing Section

Notes

Component Type: Text Line Style: 0	Color	Level	Line Weight	Text Height
Note Entrance	11	17	2	3.05 (.12)
← Note Footing	0	25	4	3.8 (.15)
Note Post	8	25	4	3.8 (.15)

Signing Section

Notes (Cont.)

≺ Note Roadway Grade % w/arrow	1	22	1	2.5 (.10)
≺ Note Sign	0	25	4	3.8 (.15)
Tex+ Sign	0	25	4	3.8 (.15)
Text Station	2	22	7	5.3 (.21)

X-Section/Culverts

Notes				
Component Type: Text Line Style: 0	Color	Pevel	Line Weight	Text Height
Note Centerline of Road	20	21	2	3.05
Note Class III Exc	0	12	2	3.05
Note Existing Ground Line	4	21	4	3.05
Note Flared End Section	31	43	2	3.05 (.12)
Note Pipe Callout	31	43	2	3.05 (.12)
Note Profile Grade	1	22	2	3.05 (.12)
Note Rock Type Ditch	0	12	2	3.05 (.12)
Note Util CATV Exist	15	56	1	3.05 (.12)
Note Util CATV New	70	56	4	3.05 (.12)
Note Util Gas Exist	116	49	1	3.05 (.12)
Note Util Gas New	60	49	4	3.05 (.12)
Note Util Power Exist	115	55	1	3.05 (.12)
Note Util Power New	51	55	4	3.05 (.12)
Note Util Railroad	1	53	4	3.05 (.12)
Note Util San Sewer Exist	114	51	1	3.05 (.12)
Note Util San Sewer New	18	51	4	3.05 (.12)
Note Util Storm Sewer Exist	114	43	1	3.05 (.12)
Note Util Storm Sewer New	18	43	4	3.05 (.12)
Note Util Telephone Exist	15	52	1	3.05 (.12)
Note Util Telephone New	70	52	4	3.05 (.12)
Note Util Water Exist	12	50	1	3.05 (.12)
Note Util Water New	13	50	4	3.05 (.12)
Text Cut and Fill	1	21	4	3.8 (.15)
Text Ditch Flowline Elevation	52	41	1	2.5 (.10)
Text Ditch Information	52	41	1	3.05 (.12)
Text Elevation	5	1	5	3.05 (.12)
Text Entrance Grade %	11	17	1	2.5 (.10)
Text Entrance Information	11	17	1	3.05 (.12)
Text Pipe Callout	31	43	2	3.05 (.12)
Text Pipe Flowline Elevation	31	43	1	2.5 (.10)
Text Pipe Flowline Grade %	31	43	1	2.5
Text Road Elevations	0	22	2	3.8 (.15)
Text Road Elevations Existing	1	21	2	3.05
Text Stationing	2	21	7	5.3 (.21)

Title Notes

Component		Туре:	Color:	Level	Line Style:	Line Weight:
Note Limit Access Full Hwy	THIS SHALL BE A FULLY LIMITED ACCESS HIGHWAY BETWEEN STA. AND STA. HOT OF DIRECT NO ABUITING DWNER SHALL HAVE THE RIGHT OF DIRECT ACCESS TO SAID HIGHWAY HON TIS RIGHT OF DIRECT OUTER ROADWAY OR SERVICE ROAD TO WHICH ACCESS IS OUT SPECIFICALLY PROHIBITED BY THE SPECIAL SYMBOL DENOTING "NO RIGHT OF ACCESS" AS SHOWN ON THE PLANS. NO ACCESS WILL BE PERMITTED FROM OUTER ROADWAYS AND SERVICE ROADS TO THROUGHWAYS EXCEPT ALONS ROUTES CONSTRUCTED FOR THAT PURPOSE. DUTER ROADWAYS AND SERVICE ROADS, AS THE CASE MAY BE, ARE SO DESIGNATED ON THE PLANS. BEGINNING AND ENDING OF LIMITED ACCESS LIMITED ACCESS OR CROSSING OF LIMITED ACCESS OR CROSSING OF LIMITED ACCESS OR CROSSING OF LIMITED UNDER ANY CIRCUMSTANCES.	Cell	5	31		Varies
Note Limit Access Part Hwy	PARTIAL LIMITED ACCESS HIGHWAY THIS SHALL BE A PARTIAL LIMITED ACCESS HIGHWAY, EXCEPT AT LOCATIONS AND AS OTHERWISE SPECIFICALLY SHOWN ON THESE PLANS, NO ABUTTER S FIGHTS IN OR OF DIRECT ACCESS TO, FROM, OR ACROSS THE HIGHWAY OR ITS RIGHT-OF-WAY SHALL ATTACH OR BELONG TO ANY PERSON MERELY BECAUSE OF OWNERSHIP OF SUCH ABUTTING PROPERTY WHERE THE SYMBOL SHOWN BELOW IS SHOWN ON THE RIGHT-OF-WAY LINE.	Cell	5	32		Varies
Note Limited Access Hwy	THIS SHALL BE A LIMITED ACCESS HIGHWAY. BETWEEN STA. + . EXCEPT AT LOCATIONS AND AS OTHERWISE SPECIFICALLY SHOWN ON THESE PLANS, NO ABUTER'S RIGHTS IN OR OF DIRECT ACCESS TO . FROM. OR ACROSS THE HIGHWAY OR ITS RIGHT-OF-WAY SHALL ATTACH OR BELONG TO ANY PROPERSON. MELT BE AUSTON OF THE CONTROL OF THE HIGHWAY OR ITS RIGHT-OF-WAY SHALL ATTACH OR BELONG TO ANY PROPERSON. MELT BE AUSTON OF THE HIGHWAY OR ATTOCKNOWN OF THE SHALL BE THE USUAL RIGHT OF ACCESS OVER ANY LOCATION SHOWN ON THESE PLANS EITHER AS (1) AN ENTRANCE OR (2) A PRIVATE UNDERPASS. WHEREVER AND ENTRANCE OR (2) A PRIVATE UNDERPASS. BEGINNING AND SERVICE ROADS. BEGINNING AND ENDING OF LIMITED ACCESS NO RIGHT OF ACCESS OR CROSSING OF LIMITED ACCESS NO RIGHT OF ACCESS OR CROSSING OF LIMITED ACCESS NO RIGHT OF ACCESS OR CROSSING OF LIMITED ACCESS NO RIGHT OF ACCESS OR CROSSING OF LIMITED ACCESS NO RIGHT OF ACCESS OR CROSSING OF EMMITTED UNDER ANY CIRCUMSTANCES.	Cell	5	30		Varies

Title
Lines (Misc.)

Component	Type:	Color:	Level:	Custom Custom Custom Custom Line Style:	Line Weight:
City Limits (dots)	Linear	5	28	Custom	2
City Limits (lines)	Linear	5	28	Custom	2
County Line	Linear	20	28	Custom	2
Drainage Ditch Line	Linear	52	28	Custom	2
Land Grant Survey Line	Linear	7	28	Custom	0
Section Line	Linear	10	28	0	2
State Line	Linear	10	28	Custom	4
Stream Banks	Linear	23	28	0	0
Stream Intermittent	Linear	23	28	Custom	0
Township Line	Linear	10	28	Custom	0

Title Lines (Road)

Bituminous Road	Linear	0	28	Custom	2
City Streets	Linear	0	28	0	1
Divided Pavement	Linear	0	28	Custom	4
Frontage Road	Linear	0	28	0	2
Graded & Drained Road	Linear	1	28	Custom	1
Gravel or Stone Road	Linear	1	28	Sustom Custom Custom	1
Paved Road	Linear	0	28	Custom	2

Title

Lines (Road) (Cont.)

Component	Type:	Color:	Level:	Line Style:	Line Weight
Private Road	Linear	1	28	Custom	4
Railroad	Linear	0	28	Custom	2
Soil Surfaced Road	Linear	8	28	Sustom Custom Custom Custom	1
Unimproved Road	Linear	1	28	Custom	1

Title

Symbols/Patterns

) Bridge	Cell	99	28	0	0
1 ½ 0 1 2 3 4 SCALE IN MILES Graphic Scale 1mm - 50m (1"-2 miles)	Cell	1	62	0	5
1/2 0 1 2 SCALE IN MILES Graphic Scale 1mm - 25m (1"-1 mile)	Cell	1	62	0	5
% 0	Cell	1	62	0	5
XX Lettered Route	Cell	0	25	0	1
Limits Arrow	Cell	0	16	0	2
North Arrow	Cell	2	5	0	4
Shield-Interstate	Cell	0	25	0	0
Shield-Interstate Bus. Loop	Cell	0	25	0	0
Shield-Interstate MO	Cell	0	25	0	0
Shield-MO Highway	Cell	0	25	0	0
Shield-US Highway	Cell	0	25	0	0

Typical Sections

Dimensions

Component	Type:	Color:	Level:	Line Style:	Line Weight:
d1°58′47″ Dimension Angle	Dimension	0	16	0	2
45′-7″ 13903mm 31 √-7″ 2926mm 45′-7″ 100°00′00″ 00°00′00″ 017′-5″ 5296mm 017′-5″ 5296mm 017′-5″ 2648mm Dimension Element	Dimension	0	16	0	2
d2'-8" 13008mm Dimension Point to Point	Dimension	0	16	0	2
R 8'-8" 2648mm Dimension Radius	Dimension	0	16	0	2
45'-7" 270°00'00" Label Line (Bearings etc)	Dimension	0	16	0	2

Typical Sections

Lines

Component	Type:	Color:	Level:	Line Style:	Line Weight:
— - — - — - — Center Line of Roadway	Line	20	21	4	4
Misc. Detail Line Exist.	Line	4	58	Custom	2
Misc. Detail Line New	Line	1	58	0	2
Typical Line Exist.	Line	4	21	Custom	2
Typical Line New	Line	1	22	0	2

Typical Sections

Standard Typical Sections (See PDM)

Standard Typicar Scotto			
d49 English (ft)	Cell	22	
d50e English (ft)	Cell	22	
d51l English (ft)	Cell	22	
d53d English (ft)	Cell	22	
d60c English (ft)	Cell	22	
d61d English (ft)	Cell	22	
d62d English (ft)	Cell	22	
d63c English (ft)	Cell	22	
d64d English (ft)	Cell	22	
d65c English (ft)	Cell	22	
d66d English (ft)	Cell	22	
d67e English (ft)	Cell	22	

Typical Sections

Standard Typical Sections (See PDM) Cont.

Component	Type:	Color:	Level:	Line Style:	Line Weight:
d69c English (ft)	Cell		22		
d69d English (ft)	Cell		22		
d70i1 Surface Required at Entrance & Approach	Cell		22		
d70i2 Width Transition at Bridge	Cell		22		
d70i3 Depth Transition at Bridge	Cell		22		
d70i4 Section on Tangent	Cell		22		
d70i5 FillExisting Surface Drain Basin	Cell		22		
d70i6 Section on Superelevation	Cell		22		
d70i 7 Base Widening	Cell		22		
d71g 1 Entrance and Approach	Cell		22		
d71g 3 Base Widening	Cell		22		
d71g 4 Section on Tangent	Cell		22		
d71g 5 Section on Superelevation	Cell		22		
d71g 6 Depth Transition at Bridge	Cell		22		

Typical Sections

Symbols/Patterns

Concrete Areafill	Area Pattern	0	12	0	2
Cross Hatch Areafill	Area Pattern	5	12	0	2
Earth Areafill	Area Pattern	8	12	0	2
Hatch Areafill	Area Pattern	5	12	0	2
Rock Areafill	Area Pattern	0	12	0	2
Traffic Barrier	Cell	0	24	0	2

Summary

Lines

Component	Туре:	Color:	Level:	Line Style:	Line Weight:
2b Block	CELL	5	2	0	2
Grid Line	L	5	2	0	2

Plan

Construction Symbols

Component	Type:	Color:	_evel:	Line Style	Line Weight:
→ DFPRP CHECK MARK	Cell	2	13	0	2
FINAL PLANS I certify that this plan sheet accurately depicts the configuration and location of the roadway and all its appurienant features, to the best of my knowledge, as I and my staff have observed the confractor's construction of this project. I specifically disclaim any responsibility for the design of this project, and the staff of the staff of the project design of the contractor's actual construction of the project design of the contractor's actual construction of the project design of the project design of the project design of the project of the project design of the project	Cell	2	13	0	4
FPR CHECK MARK	lle Cell	4	13	0	2
✓ RE CHECK MARK	Cell	5	13	0	2

Plan

Dimensions

Component	Type:	Color:	Level:	Line Style:	Line Weight:
41°58′47″ Dimension Angle	Dimension	0	16	0	2
9'-7" 13903mm 9'-7" 2926mm 45'-7" 00°00'00" 00°10''00" 00'17'-5" 5296mm 017'-5" 5296mm 017'-5"	Dimension	0	16	0	2
13008mm Dimension Point to Point	Dimension	0	16	0	2
R 8'-8" 2648mm Dimension Radius	Dimension	0	16	0	2
45'-7" 270°00'00" Label Line (Bearings etc)	Dimension	0	16	0	2

Plan

Drainage

Component	Type:	Color:	Level:	Line Style:	Line Weight:
-\sqrt-> Flow Arrow	Cell	0	41	0	2

Plan

Exhibits

Modot Wave Symbol	Cell	1	1	0	9
Modot Wave Symbol	Cell	1	1	0	9

Plan

General Construction (Build)

Begin /End Project	Cell	20	3	0	2
ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT. Beyond Project Limits	Cell	4	14	0	2

Plan

MicroStation CADD Standards

General Cons't (Build) (Cont.)

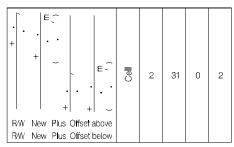
PRELIMINARY/FINAL STRIP MAP ROUTE CLASSIFICATION JOB NO. DESION SPEED - DESION TRAFFIC - CONST YEAR { } ADT THOUGH ADT - THOUGH ADT - SUBMITTED 2 LINGTH OF PROJECT SOLUTION OF PROJECT SOLUTION OF PROJECT STA APPRIENT EDITIONS OF PR	Cell	Varies	14	0	Varies

Plan R/W

Component	Type:	Color:	Level:	Line Style:	Line Weight:
Esm't Perm. Plus Offset above	Cell	2	29	0	4
Esm't Perm. Plus Offset below					
Esm't Temp. Plus Offset above	Cell	6	61	0	2
JOHN O PROP DWNER XXX. XX NEW R/W XXX. XX PERM. ESM'T. XXX. XX REMP. ESM'T. XXX. XX REMP. SEM'T. Prop. Owner Note & Circle	Cell	5	38 & 39	0	2
Property Line Symbol	Cell	5	28	0	4
BW Exist Plus Offset below	Cell	6	30	0	2

Plan

R/W (Cont.)



Plan

Roadway

Rodaway					
Component	Type:	Color:	Feve	Line Style:	Line Weight:
P.I.	Cell	20	3	0	2
P. I.	Cell	Varies	3	0	2
P. I. D - T - L - R - SE - Xo - Yo - Curve Data (Spiral)	Cell	20	2	0	2
P.I. D - D - T - L - SE - OS - YC - Curve Data (Spiral) box	Cell	Varies	2	0	2

Plan Roadway (Cont.)

Component	Type:	Color:	:leve	Line Style:	Line Weight:
Driveway Type, Angle,	Cell	11	17	0	4
Like with the control of the control	Cell	11	17	0	4
ENTRANCE STA. ENTRANCE TYPE ENTRANCE TYPE ENTRANCE TYPE ENTRANCE TYPE	Cell	11	17 & 18	0	2
EXISTING AND CONSTRUCTED ENTRANCES MAY BE MIDENED TO A MAXIMUM WIDTH OF 1888 BY PERMIT UNLESS OTHERWISE NOTED. Entrance Width Note	Cell	11	17	0	4
Entrance Width Box	Linear	11	17	0	4

Plan Roadway (Cont.)

Roadway (Cont.)					
Component	Type:	Color:	Level:	Line Style	Line Weight:
Equation above Equation below	Cell	20	1	0	5
Match l ine	Linear	2	22	0	5
PC PS PT STA. above PC PS PT STA. below	Cell	20	3	0	4

Plan Roadway (Temporary)

Component	Type:	Color:	Level:	Line Style:	Line Weight:
Equation above Equation below	Cell	20	61	0	5
PC PS PT STA above PC PS PT STA below	Cell	20	61	0	4

Plan Striping

STRIPING LEGEND 4' INTERMITTEN WHITE 4' SOLID WHITE 1' INTERMITTEN VELLOW 4' SOLID VELLOW	Cell	0,20	37	0	2
Pavement Marking Legend					

Plan Symbols/Patterns

Component	Type:	Color:	Level	Line Style:	Line Weight:
SCALE TO 200 300 400 500 Graphic Scale 1"=100'	Cell	0	62	0	3
o 20 40 60 Graphic Scale 1"=20'	Cell	0	62	0	3
SCALE 0 000 200 300 400 800 Graphic Scale 1"=200'	Cell	0	62	0	3

Plan

Symbols/Patterns (Cont.)

Symbols/Patterns (Cont.)						
Component	Type:	Color:	Level:	Line Style:	Line Weight:	
scale 0 50 100 150 Graphic Scale 1"=50'	Cell	0	62	0	3	
SCALE IN METERS Graphic Scale 1:100	Cell	0	62	0	3	
SCALE IN METERS Graphic Scale 1:1000	Cell	0	62	0	3	
scale in Maters Graphic Scale 1:200	Cell	0	62	0	3	
scale in Meters Graphic Scale 1:500	Cell	0	62	0	3	
North Arrow	Cell	2	5	0	4	
Concrete	Pattern Area	0	12	0	1	
Cross Hatch	Pattern Area Pattern Area Pattern Area Pattern Area Pattern Area Pattern Area	0	12	0	2	
Grass	Pattern Area	4	12	0	1	
Hatch	Pattern Area	0	12	0	2	
Rock	Pattern Area	8	12	0	1	
Swamb	Pattern Area	23	12	0	0	
NORTH SOUTH TRAFFIC FLOW DIAGRAM FRANTIC VALUE Turn Diagram	Cell	1	59	0	4	

Profile

Lines (Profile and Lines)

Component	Type:	Color:	Level:	Line Style:	Line Weight:
Entrance Lines		11	17	0	4
Existing Profile Lines	L	1	21	С	2
Flow Line Elevation Lines	L	52	41	0	2
Main Grid Lines	L	4	59	0	4
New Profile Lines	L	0	22	0	4
PC, PT Line	L	0	3	0	2
Secondary Grid Lines	L	7	60	0	1

Profile

Drainage

CMP - Circle	L	31	43	0	2
Ditch Special RT /LT	L	52	43	С	4
Flow Arrow	С	52	41	0	2
Manhole 305mm - 610mm (12" - 24") San Sewer	С	18	43	0	2
RCP 305mm - 1676mm (12" - 66") Circle	С	31	43	0	4

Profile

Symbols/Patterns

Symbols/Patterns					
Component	Type:	Color:	Level:	Line Style:	Line Weight:
Graphic Scale 10m (10')	С	0	62	0	4
Graphic Scale 20m (20')	С	0	62	0	4
Graphic Scale 5m (5')	С	0	62	0	4
PC PT PVI Circle	С	0	4	0	4
PC PT PVI Sta Elev Above PC PT PVI Sta Elev Below	С	5	3	0	4

Profile Utilities

Component	Type:	Color:	Level:	Line Style:	Line Weight:
CATV UG Exist	L	15	56	С	2
CATV UG New	L	70	56	O	4
Gas UGG Exist	L	116	49	О	2
Gas UGG New	L	60	49	C	4
Power UGP Exist	L	115	55	С	2
Power UGP New	L	51	55	С	4
-+	L	1	53	С	2
Ra il road Dash	L	1	53	С	4
	L	18	53 51	C	2
Railroad Dash					
Railroad Dash	L	18	51	С	2
Railroad Dash	L	18	51 51	С	2
Railroad Dash San. Sewer UG Exist San. Sewer UG New Ssome Ssome Storm Sewer UG Exist	L	18 18	51 51 51	C C	2 4 2
Railroad Dash San. Sewer UG Exist San. Sewer UG New Storm Sewer UG Exist Storm Sewer UG Exist Total Sewer UG New Total Sewer UG New	L	18 18 18	51 51 51	C C C	2 4 2 4
Railroad Dash San. Sewer UG Exist San. Sewer UG New San. Sewer UG New Storm Sewer UG Exist Storm Sewer UG New Telephone UGT Exist	L L	18 18 18 18	51 51 51 51 52	C C C	2 4 2

User CMP/RCP

Component	Type:	Color:	Level:	Line Style:	Line Weight:
CMP New 152mm - 1676mm	Multi- line	31	43	Custom	1
CMP Exist 152mm - 1676mm (12" - 66")	Multi- line	31	43	Custom	1

User Drainage

Drainage					
BRCHNL	Linear	95	41	0	3
CONBASIN	Linear	95	41	Dash 3	1
Culvert	Linear	95	43	Dash 1	1
	Linear	52	41	Custom	4
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	Linear	52	41	5 Custom Custom Dash 1	4
Ditch - FB Line For Tapering	Linear	52	41	Dash 5	2
Ditch - Flat Bottom 1.22m - 3.05m (4' - 10')	Linear	52	41	Custom	2
Ditch - Inter Line For Tapering	Linear	52	41	0	2
	Linear	52	41	Custom	2
Ditch - Special V	Linear	52	41	Custom	2
Ditch - Standard V	Linear	52	41	Custom	2
⊕ Ditch Block	Cell	52	41	0	0
Ditch Flow Line	Linear	52	40	Custom	2
Ditch Solid Line For Tapers	Linear	52	41	0	2
™ o Drain Marker	Cell	5	43	0	0
Drainage - Perm. Esmt.	Linear	2	29	Dash 6	4
-∿> Flow Arrows	Cell	52	41	0	0

User Drainage (Cont.)

Component	Type:	Color:	Feve	Line Style:	Line Weight:
Ford	Linear	31	41	Dash 5	2
//////////////////////////////////////	Linear	52	41	Custom	2
//////////////////////////////////////	Linear	52	41	Sustom Custom	2
//////////////////////////////////////	Linear	52	41	Custom	1
	Linear	52	41	Custom	2
PVC	Linear	95	43	Dash 1	1
Paved Ditch	Linear	1	41	0	2
Ridge	Linear	52	40	Dash 6	1
Slope Line	Linear	53	42	Dash 1	2
Slope Line	Linear	53	42		2
Slope Line	Linear	53	42	Dash 1 Dash	2
Temporary Berm	Linear	52	41	6 Custom	2
Terrace	Linear	52	41	Dash 6	2
Trench	Linear	52	41	Dash 5	2

User Drop Inlets

Drop Inlets 94mm x 640mm (3'x2') 914mm x 94mm (3'x3') 524mm x 94mm (5'x2') 524mm x 94mm (5'x3')	Cell	31	43	0	0
o: □ DI- Drop Inlet	Cell	31	43	0	0
DI-Type D DI	Cell	31	43	0	0
DI-Type T DI	Cell	31	43	0	0

User

Drop Inlets

Component	Туре:	Color:	Level:	Line Style:	Line Weight:
DI - Type X X2 (L & R)	Cell	31	43	0	0
DI - Type X X5 (L & R)	Cell	31	43	0	0
DI - Type X X7 (L & R)	Cell	31	43	0	0
Drop Inlets 914mm x 610mm (3'x2') 934mm x 944mm (3'x3') 1529mm x 610mm (4'x2') 1524mm x 914mm (5'x3')	Cell	31	43	0	0
DI - Drop Inlet	Cell	31	43	0	0
DI-Type D DI	Cell	31	43	0	0
DI-Type T DI	Cell	31	43	0	0
DI - Type X X2 (L & R)	Cell	31	43	0	0
DI - Type X X5 (L & R)	Cell	31	43	0	0
DI - Type X X7 (L & R)	Cell	31	43	0	0
Grate	Linear	0	43	0	2
₩# ⊕ MH	Cell	31	57	0	0
MH - 1.22m (4') MH	Cell	31	43	0	0
STORM MH - SSMH Storm Sewer MH	Cell	18	51	0	0

User

Environmental

	Linear	99	10	0	1
Brick	Cell	56	35	0	0
Burned Earth	Cell	2	1	0	0
Ceramic Items (other)	Cell	7	36	0	0
S Ceramic Stoneware	Cell	13	37	0	0
Ceramic Whiteware	Cell	11	38	0	0

User Environmental

Component	Туре	Color:	Level:	Line Style:	Line Weight:
⊗ Conifer	lleO	4	3	0	0
Core	Cell	5	2	0	0
Debitage	Cell	5	3	0	0
ER F3 Fauna	Cell	52	4	0	0
Fire Cracked Rock	Cell	2	5	0	0
Floral	Cell	0	17	0	0
Foundation	Cell	56	49	0	0
Glass Flat	Cell	103	39	0	0
Glass Items (other)	Cell	103	40	0	0
Historic General 1	Cell	4	52	0	0
Historic General 2	Cell	2	53	0	0
Historic General 3	lle0	3	54	0	0
Historical Structure	Linear	99	10	Dash 1	1
Human Bones	lleO	20	6	0	0
<̂} Large Tree	Cell	4	3	0	0
Metal Items	lleO	10	50	0	0
Nail	Cell	16	51	0	0
Point (arrow head)	Cell	6	7	0	0
Pottery	Cell	8	8	0	0
Prehistoric General	Cell	4	24	0	0
Prehistoric General	Cell	2	33	0	0
PZ Prehistoric General	Cell	3	34	0	0

User

Environmental (Cont.)

Component	Туре:	Color:	Level:	Line Style:	Line Weight:
Small Tree	Cell	4	3	0	0
Timber Line	Linear	4	11	Custom	2
Tool (chipped)	Cell	6	10	0	4
Tool(ground stone)	Cell	6	10	0	4
Unmodified Rock	Cell	6	10	0	4
Wetland Boundry	Linear	17	10	Custorn	5

User

Flared End Sections (CONC)

FES 305mm - 1676mm (12" - 66")	Cell	31	43	0	1
Headwall	Linear	31	43	0	1

User

Flared End Sections (METAL)

FES Metal	Linear	31	43	0	1
[] Pipe Collar 305mm - 1829mm (12'' - 72'')	Cell	31	43	0	0

User

Property

Component	Type:	Color:	:level	Custom Line Style:	Line Weight:
Building	Linear	14	35	Custom	2
Bus stop Bus Stop	Cell	0	25	0	0
Cave	Cell	8	34	0	1
Cellar	Linear	14	33	Custom	1
Conc. Misc.	Linear	48	33	0	4
Fence Chain Link	Linear Linear	4	32	Sustom	1
Fence Woven Wire	Linear	4	32	Custom Custom	1
FLAG Flag Pole	Cell	1	33	0	0
Foundation	Linear	48	33	Custom	2
⊠ Gate Post	Cell	4	32	0	0
Grave	Cell	144	34	0	0
House	Linear	14	35	Custom	2
Liquid Propane Tank	Linear	28	33	0	1

User

Property (Cont.)

Froperty (Cont.)	_				
Component	Type:	Color:	Level:	Line Style	Line Weight
~ㅠ Mailbox	Cell	0	27	0	0
☆ Mine	Cell	5	34	0	0
Overhang	Linear	14	35	Custom	2
Pool (Swimming)	Linear	23	33	0	2
A Satelite	Cell	15	33	0	0
Stock Pile	Linear	112	34	Custom	1
Tank	Linear	0	33	Custom Custom	1
A Tower	Cell	15	52	0	0
Trail	Linear	8	34	Custom	4
O Wood Post	Cell	4	32	0	0

User

R/W

	Linear	16	28	Custom	4
	Linear	16	28	Custom Custom	4
Borrow Area	Linear	8	28	0	4
City Limits Line	Linear	5	28	Custom	4
City Lot & Subdivision Line	Linear	5	28	Sustom	4
County Line	Linear	10	28	Custom	5
Easement Perm.	Linear	2	29	Sustam Custom Custom Custom	4
Easement Temp.	Linear	6	61	Custom	2

User

R/W (Cont.)

Component	Type:	Color:	Level:	Line Style:	Line Weight
Exist. Limited Access Symbol	Cell	6	30	0	0
Exist. R/W Limited Access	Linear	6	30	Custom	4
Exist. R/W Line	Linear	6	30	CustomCustor	4
Exist. R/W Marker (Conc. or Copper)	Cell	6	30	0	2
O Exist. R/W Marker (Steel)	Cell	6	30	0	2
Exist. R/W No Right Access	Linear	6	30	Custom	4
Exist. R/W Prop. Limit Access	Linear	6	30	Custom	4
Exist. Terminal Point Symbol	Cell	22	30	0	2
Grant/Lease Line	Linear	5	28	Dash 4	4
⊕ Landcorner	Cell	5	28	0	2
Latitude/Longitude Line	Linear	9	28	0	1
New Limited Access Symbol	Cell	2	31	0	0
New R/W Limited Access Line	Linear	2	31	Custom Custom	9
New R/W Line	Linear	2	31	Custom	9
New R/W Marker (Conc. or Copper)	Cell	2	31	0	2
New R/W Marker (Steel)	Cell	2	31	0	2
New R/W No Right Access	Linear	2	31	Custom	9
New Termianl Paint Symbol	Cell	2	31	0	2
Property Line	Linear	5	28	Dash 5	2
PPINO Property Pin	Cell	5	33	0	0
Property Tie	Cell	5	28	0	0

User

R/W (Cont.)

Component	Type:	Color:	Level	Line Style	Line Weight
Section Line	Linear	10	28	Dash 6	5
State Line	Linear	10	28	Custom	5
Township/Range Line	Linear	10	28	CustomCustom	5
US Survey Line	Linear	16	28	Dash 6	2

User

Roadside

Component	Туре:	Color:	Level:	Line Style:	Line Weight:
[™] ⊗ Benchmark	Cell	10	27	0	0
Border	Linear	5	26	0	2
⊙→ GRS Monument	Cell	10	27	0	0
Landscaping	Linear	4	11	0	3
Side Walk	Linear	1	26	Custom	2
Steps	Linear	1	26	0	2
Traverse	Linear	5	58	Dash 2	2
Wheelchair Ramp	Linear	1	26	0	2

User Roadway

Component	Type:	Color:	Level:	Line Style:	Line Weight:
Baseline Ramp Alignment	Linear	20	21	0	6
Bridge	Linear	7	24	0	6
Bridge Exist.	Linear	109	24	Dash 3	1
CL Main Line Alignment	Linear	20	22	0	6
 CL Main Line Alignment - Exist	Linear	5	21	0	1
 CL Side Road Alignment	Linear	20	21	0	6
Construction Joint	Linear	0	20	Dash 2	2
Curb	Linear	11	19	0	4
Curb Exist.	Linear	114	19	Dash 3	2
Edge of Pavement	Linear	0	20	0	2
Edge of Pavement Exist.	Linear	112	20	Dash 3	2
Edge of Pavement Temporary	Linear	0	61	0	2
Entrance	Linear	11	17	0	2
Entrance Edge of Apron	Linear	11	41	3 Dash 2	2
 Entrance Exist.	Linear	114	17	Dash 3	2
Entrance Temporary	Linear	11	61	0	2
Island	Linear	11	19	0	2
 Island Exist.	Linear	114	19	Dash 3	2
Oil Surface		1	20	0	2
Outer Road Alignment	Linear Linear	20	21	0	6
Shoulder	Linear	11	18	0	2

User

Roadway (Cont.)

Component	Туре:	Color:	Level:	Line Style:	Line Weight.
Shoulder Exist.	Linear	114	18	Dash 3	2
Shoulder Temporary	Linear	11	61	0	2
Temporary Bypass Alignment	Linear	20	61	0	6
Temporary Crossover Alignment	Linear	20	61	0	6

User Safety

Salety					
Abutment	Linear	51	24	Dash 3	1
Barrier	Linear	51	24	Dash 3 Dash	1
Guardrail	Cell	1	24	0	0
Guardrail B Nose for Piers	Cell	24	19	0	2
Guardrail B Nose Med 15' to over 33'	Cell	24	19	0	2
Guard RailET2000	Cell	2	24	0	4
Guard Rail ET2000 End	Cell	2	24	0	4
Guard RailLine Exist.	Linear	51	24	Custom	2
Guard RailLine New	Linear	19	24	Custom Custom	4
Median	Linear	51	24	0	2
Median Strip	Linear	51	24	0	2
Pedestrain Overpass	Linear	51	24	0	2
Retaining Wall	Linear	51	23	Dash 3	2
Sound Wall	Linear	51	23	Dash 3 Dash	2

User

Signs/Signals

Component	Type:	Color:	Level:	ine Style:	Line Weight:
,				5	Lin
GW Guy Wire	Cell	0	46	0	0
? ① Object Marker	Cell	5	57	0	0
Ø Power Supply	Cell	2	46	0	0
SIGBOX (Signal Box)	Cell	0	48	0	0
⊠ SIGCNTRL (Signal Control)	Cell	0	46	0	0
SIGPOST (Signal Post)	Cell	5	48	0	0
SIGN Sign	Cell	0	25	0	0

User

Symbols/Patterns

Component	Type:	Color:	[eve]:	Line Style:	Line Weight
12S - 3.66m (12') Stop Line	Cell	0	36	0	0
14S - 4.27m (14') Stop Line	Cell	0	36	0	0
24S - 7.32 (24') Stop Line	Cell	0	36	0	0
P.I. D - T - L - SE - W - Curve Data	Cell	20	2	0	2
P.1.	Cell	20	2	0	2
LA Traffic Flow Arrow	Cell	20	8	0	0

User

Symbols/Patterns (Cont.)

Symbols/Patterns (Con	t.)				
Component	Type:	Color:	Level:	Line Style:	Line Weight:
North Arrow	Cell	2	5	0	4
PC PT PRC ST TS Circles	Cell	20	4	0	4
PILines	Linear	20	3	Dash 1	1
Pattern Area Concrete	Area Pattern	0	0	0	1
Pattern Area Cross Hatch	Area Pattern	0	0	0	1
Pattern Area Earth	Area Pattern	0	0	0	1
Pattern Area Grass	Area Pattern	0	0	0	1
Pattern Area Hatch	Area Pattern	0	0	0	1
Pattern Area Rock	Area Pattern	0	0	0	1
Pattern Area Swamp	Area Pattern	0	0	0	1
RA Traffic Flow Arrow	Cell	20	8	0	0
SA Traffic Flow Arrow	Cell	20	8	0	0
SLA Traffic Flow Arrow	Cell	20	8	0	0
SRA Traffic Flow Arrow	Cell	20	8	0	0
☆	Cell	20	8	0	0
SRL Traffic Flow Arrow					

User Utilities

	.e.	or:	<u>@</u>	Style	Weight
Component	Type:	Color:	Pevel		Line M
CATV ————————————————————————————————————	Linear	15	56	Custom Custom Line	2
CATV C - Under Gnd CATV New	Linear	70	56	Custom	2
™O G - GDRIP	Cell	60	49	0	1
G - GFILLER	Cell	60	49	0	1
G - GMARKER	Cell	60	49	0	1
°M⊕ G - GMETER	Cell	60	49	0	1
°V G - GVALVE	Cell	60	49	0	1
요 G - GVENT	Cell	60	49	0	1
G - Gas Island	Linear	60	49	0	2
G - Under Gnd Gas Exist.	Linear	116	49	Custom Custom	2
G - Under Gnd Gas New	Linear	28	49	Custom	2
× P - Anchor	Cell	5	54	0	1
P RISER P - CTVRISER	Cell	5	54	0	1
P - PED	Cell	1	54	0	1
^{دس} ہ P - POLEGUY	Cell	5	54	0	1
□ P - POLEL (Light)	Cell	5	54	0	1
P - POLEP (Power)	Cell	5	54	0	1
PAC D P - POLEPC (Power/Cable)	Cell	5	54	0	1
Pal M P - POLEPL (Power/Light)	Cell	5	54	0	1
P RISER P - POLEPR (Power w/ Riser)	Cell	5	54	0	1
P - POLEPTC (Power/Tele/Cable)	Cell	5	54	0	1

User
Utilities (Cont.)

Component	_lype:	Color:	Level	Line Style:	Line Weight:
P - POLEPTCL (Pow/Tele/Cable/Light)	Cell	5	54	0	1
o P - POLET (Telephone)	Cell	5	54	0	1
P - POLETC (Tele/Cable)	Cell	5	54	0	1
P - POLETP (Tele/Power)	Cell	5	54	0	1
P - POWERHV (High Voltage Tower)	Cell	5	54	0	1
P - POWERHW (H-Frame PP)	Cell	5	54	0	1
Power Over Head Exist.	Linear	115	55	Custom Custom	2
Power Over Head New	Linear	27	55	Custom	2
P - Tower	Cell	15	54	0	1
Under Gnd Power Exist.	Linear	115	55	Custom	2
Under Gnd Power New	Linear	27	55	stom Custom Custom Custom Custom Custom	2
RR - RAILTOP	Linear Linear	1	53	Custom	2
RR - RRT		1	53	Custom	2
RR - Railroad Dash	Linear	1	53	Custom	2
RR - Railroad Single	Linear	1	53	Custom	2
S - Drain Field	Linear	13	51	Dash 2 Cu	2
SAN⊕ S - SAN MH	Cell	18	51	0	1
S - Sanitary Sewer Exist.	Linear	130	51	Custom	2
- \$ S - Sanitary Sewer New	Linear	18	51	Custom	2

User

Utilities (Cont.)

Component	Туре:	Color:	Level:	Line Style:	Line Weight:
S - Septic Tank	Linear	18	51	Custom Custom Custom	2
— ss — SS - Storm Sewer Exist.	Linear	130	51	Custom	2
— ss SS - Storm Sewer New	Linear	18	51	Custom	2
TRISER O	Cell	5	54	0	1
T - TELEPAY (Pay Telephone)	Cell	15	52	0	1
T - TMH (Tele, Manhole)	Cell	15	52	0	1
T - Tele. Pedistal	Cell	1	52	0	1
T - Telephone Over Head Exist.	Linear	15	52	Custom	2
T - Telephone Over Head New	Linear	70	52	Custom	2
T - Under Gnd Telephone Exist.	Linear	15	52	Custom Custom Custom Custom	2
T - Under Gnd Telephone New	Linear	70	52	Custom	2
W - HYDRANT	Cell	31	50	0	1
₩ W - Sprinkler	Cell	13	50	0	1
	Linear	12	50	Custom	2
W - Under Gnd Water New	Linear	13	50	Custom Custom	2
WELL (+)	Cell	3	50	0	1
్థ W - WFAUCET	Cell	13	50	0	1
₩ W - WMETER	Cell	13	50	0	1
₩ ⊕ W - WVALVE	Cell	13	50	0	1

User

Utilities (Cont.)

Component	Туре:	Color:	Level:	Line Style:	Line Weight:
CL of River	Linear	3	9	cl3	2
Lake	Linear	3	9	Phantom	4
Pond	Linear	3	9	Phantom Phantom	4
River	Linear	3	9	0	4
Spring Spring	Cell	23	9	0	0
Stream	Linear	3	9	p12	4
** * *** Swamp	Cell	23	9	0	0

Reference

Symbols/Patterns

Component	Type	Color:	: eve	Line Style:	Line Weight:
Centerline	L	1	22	0	5
Grid Line	L	2	60	0	4
	L	1	58	0	4
Tie Circle					
Tie Line	L	4	58	0	4

Coordinate

Lines (Grid)

Component	Type:	Color:	Level:	Line Style:	Line Weight:
Main Grid Line	L	4	59	0	4
Secondary Grid Line	L	7	60	0	1

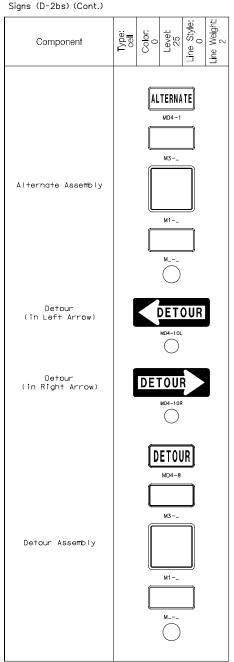
Traffic Control Signs (D-2bs) Style 0 Weight 2 Level: 25 ype Component Line MINIMUM \$250 FINE Work Zone Fine **SPEEDING** IN THIS WORK ZONE CONST-3A Speeding/Passing SPEEDING/PASSING Plate CONST-3X **EXIT** Gore Exit E05-1 8 25 N 0 0 Flagger (Symbol) Flashing Arrow Panel (Double) Flashing Arrow Panel (Single) Flashing Electric Light

Traffic Control Signs (D-2bs) (Cont.) Style: 0 Weight: 2 Level: 25 Type: cell Component Road Work Next __ Miles NEXT

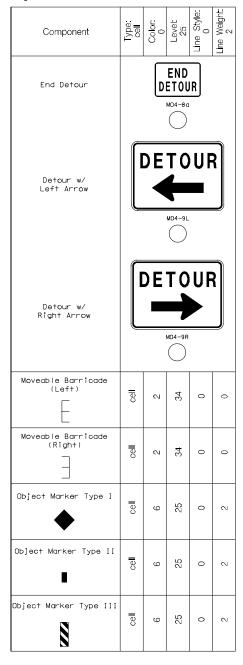
Line

ROAD WORK MILES GD20-1 **END** End Road Work ROAD WORK G020-2a WORK ZONE Work Zone Plaque Give 'em a BRAKE Cive 'Em A Brake Advance Left Turn Arrow Advance Right Turn Arrow Turn Arrow Straight Arrow

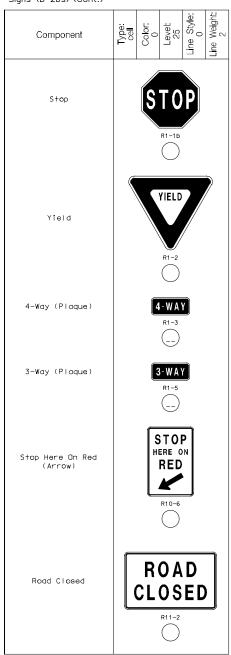
Traffic Control
Signs (D-2bs) (Cont.)



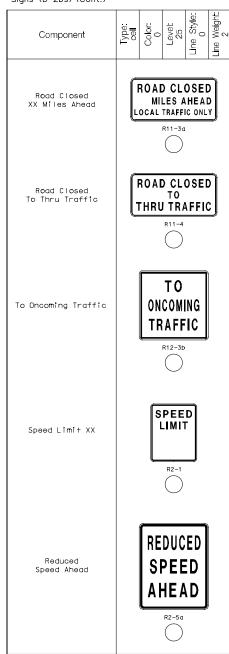
Traffic Control
Signs (D-2bs) (Cont.)



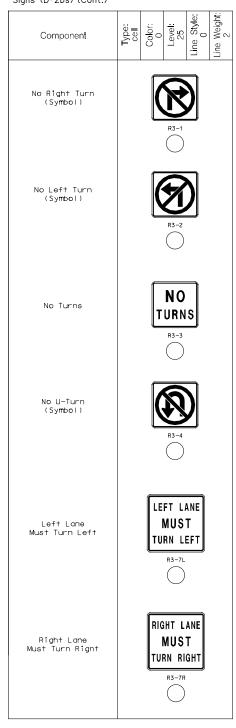
Traffic Control
Signs (D-2bs) (Cont.)



Traffic Control
Signs (D-2bs) (Cont.)



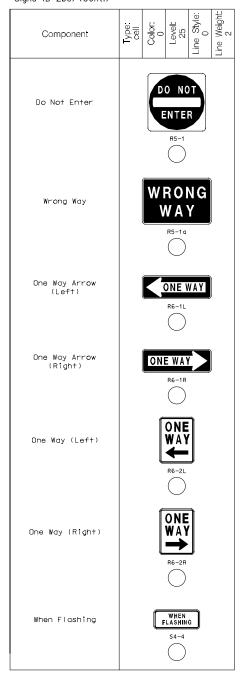
Traffic Control
Signs (D-2bs) (Cont.)



Traffic Control
Signs (D-2bs) (Cont.)



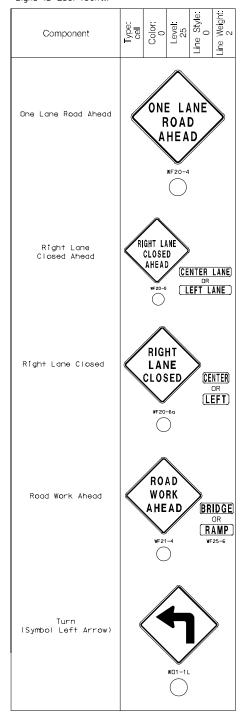
Traffic Control
Signs (D-2bs) (Cont.)



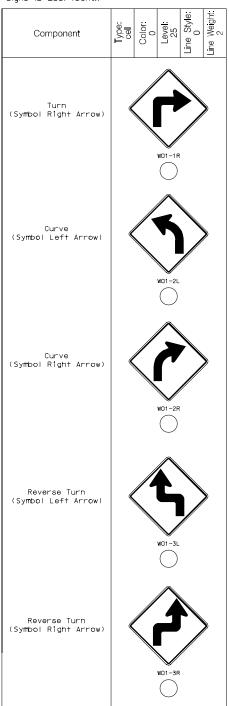
Traffic Control
Signs (D_2bs) (Cont.)

Signs (D_Zbs) (Cont.)								
Component	Type:	Color: 0	Level: 25	Line Style: 0	Line Weight: 2			
Show Me Progress	Show Me PROGRESS Wood a System of a financial processing of the Construction of the C							
Sign Symbol w/ Number (1 Sided) •	cell	0	25	0	0			
Sign Symbol w/ Number (2 Sided)	lleo	0	25	0	0			
Special Low Clearance XX' XX"	LOW CLEARANCE							
Special Width Restriction	WIDTH RESTRICTION , MILES AHEAD							
Railroad Crossing	RR R							

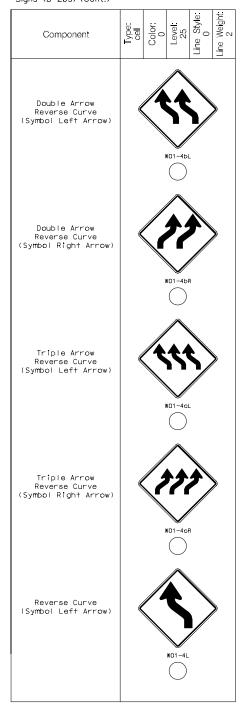
Traffic Control
Signs (D-2bs) (Cont.)



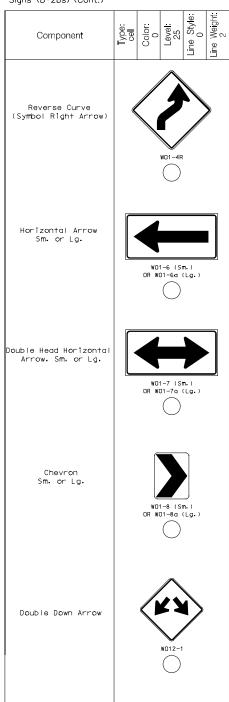
Traffic Control
Signs (D-2bs) (Cont.)



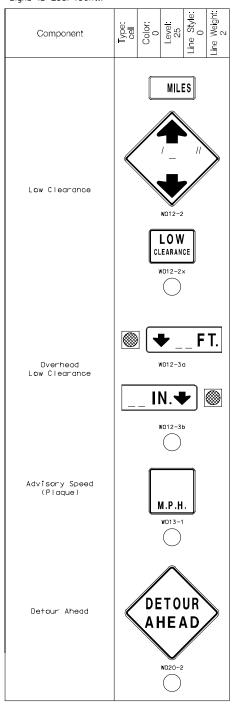
Traffic Control Signs (D-2bs) (Cont.)



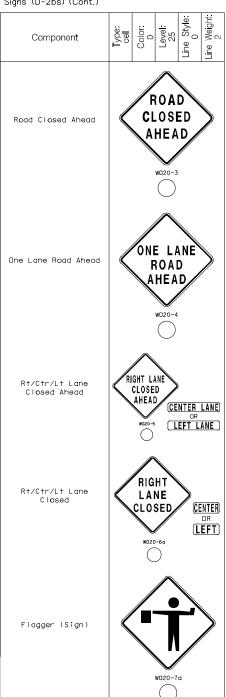
Traffic Control
Signs (D-2bs) (Cont.)



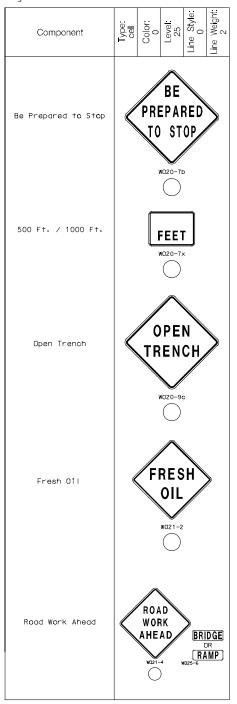
Traffic Control
Signs (D-2bs) (Cont.)



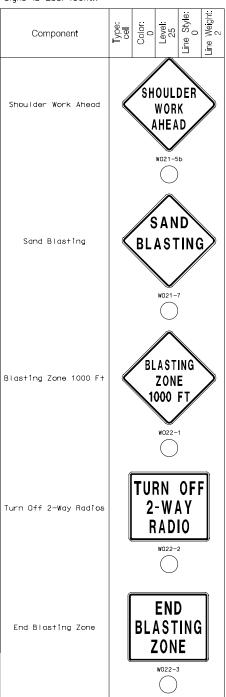
Traffic Control
Signs (D-2bs) (Cont.)



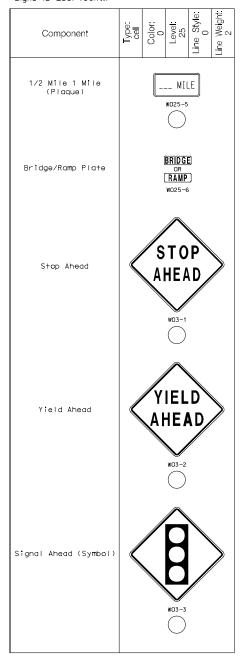
Traffic Control
Signs (D-2bs) (Cont.)



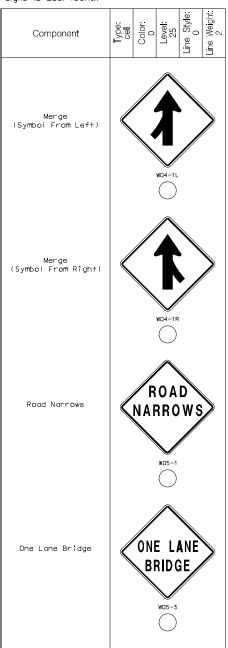
Traffic Control
Signs (D-2bs) (Cont.)



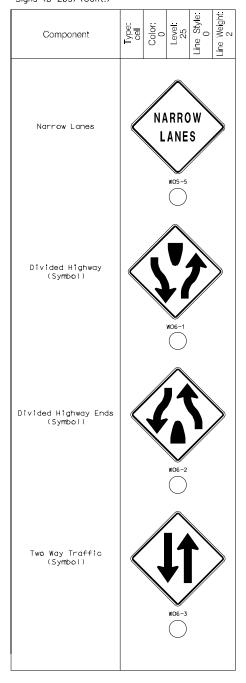
Traffic Control
Signs (D-2bs) (Cont.)



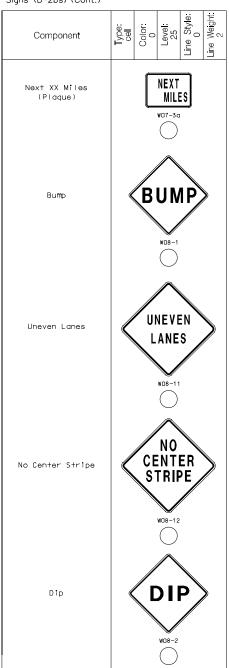
Traffic Control
Signs (D-2bs) (Cont.)



Traffic Control
Signs (D-2bs) (Cont.)



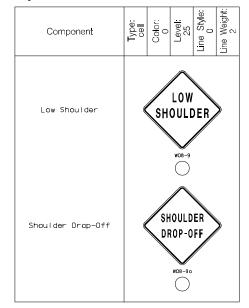
Traffic Control
Signs (D-2bs) (Cont.)



Traffic Control Signs (D-2bs) (Cont.)

Line Style: Component PAVEMENT Pavement Ends ENDS SOFT SHOULDER Soft Shoulder Slippery When Wet (Symbol) TRUCK Truck Crossing CROSSING TRUCK Truck Entrance ENTRANCE LOOSE Loose Gravel GRAVEL

Traffic Control
Signs (D-2bs) (Cont.)



Traffic Control

Pavement Markings

Component	Type:	Color:	Level:	Line Style:	Line Weight:
100 mm (4") White Intermittent	Linear	0	36	Dash	7
100 mm (4") Yellow Intermittent	Linear	20	36	Dash	7
100 mm (4") White Solid	Linear	0	36	0	7
100 mm (4") Yellow Solid	Linear	20	36	0	7
Perm Arrow Marking Left	Cell	0	37	0	4
Preformed Railroad Crossing	Cell	0	8	0	3
Perm Arrow Marking Right	Cell	0	37	0	4
Perm Arrow Marking Straight	Cell	0	37	0	4
Perm Arrow Marking Straight Lt	Cell	0	37	0	4
Perm Arrow Marking Straight Rt	Cell	0	37	0	4

Traffic Control Pavement Markings

Component	Type:	Color:	Level:	Line Style:	Line Weight
Only Marking 8'	Cell	0	37	0	4
Only Marking 10'	Cell	0	37	0	4
Stop Line 12', 14' & 24'	Cell	0	36	0	0
Temp. (4") White Intermittent	Linear	0	36	Dash	7
Temp. (4") Yellow Intermittent	Linear	20	36	Dash	7
Temp. (4") White Solid	Linear	0	36	0	7
Temp. (4") Yellow Solid	Linear	20	36	0	7

Traffic Control

Symbols/Patterns

scale Graphic Scale 1"=20"	Cell	0	62		
SCALE Scale 100 150 Graphic Scale 1"=50"	Cell	0	62		
90A.E 0 100 200 300 400 500 Graphic Scale 1''=100'	Cell	0	62		
SCALE 0 00 200 300 400 500 Graphic Scale 1"=200"	Cell	0	62		
North Arrow	Cell	2	5		
TRAFFIC CONTROL LEGEND A SIGN (SINGLE SIDED) FLAGGER CONE CHANNELIZER E BARRICADE Traffic Control Legend	Cell		59		
SOUTH	Cell		59		
Work Area Pattern	Area attern	0	12	0	1

Traffic Control

Traffic Control Devices

Traffic Control Devices					
Component	Type:	Color:	Level:	Line Style:	Line Weight:
 Attenuator 	L	0	40	0	2
Portable Changeable Message Sign (PCMS)	Cell		35		
■ Channelizer	Cell		33		
Channelizer Side View	Cell		33		
O Cone	Cell		33		
Delineator (filled circle)	Cell	0	25	0	2
Delineator (filled square)	Cell	0	25	0	2
▲ Delineator (filled triangle)	Cell	0	25	0	2
Delineator (open circle)	Cell	0	25	0	2
☐ Flagger ○ Symbol	Cell		25	0	0
Movable Barricade Plan View	Cell		34	0	0
Movable Barricade Side View Lt	Cell	Varies	35	0	0
Movable Barricade Side View Rt	Cell	Varies	35	0	0
Raised Pvm't Marker	Linear	20	38	0	2
• • Sign Symbol(1 & 2 Sided)	Cell	0	25	0	0
Sign Symbol w/Number (1 Sided)	Cell	0	25	0	0
• Sign Symbol w/Number (2 Sided)	Cell	0	25	0	0
Traffic Barrier Plan View	Multi- Line	0	35	0	2
Traffic Barrier Section View	Cell		35		

Temporary Erosion Control

Symbols/Patterns

Component	Type:	Color:	Level:	Line Style:	Line Weight:
~∿- Flow Arrow	Cell	52	41	0	2
50A.E 0 300 200 300 400 400 Graphic Scale 1''- 100'	Cell	0	62	0	3
Graphic Scale 1"- 20'	Cell	0	62	0	3
Graphic Scale 1''- 200'	Cell	0	62	0	3
Graphic Scale 1"- 50'	Cell	0	62	0	3
North Arrow	Cell	2	5	0	4
Rock Lining	Area Pattern	0	12	0	5
Sodding Area Pattern	Area Pattern	4	12	0	5
TEMPORARY EROS ION CONTROL LEGEND O SOLO ORGO STAM BILL DITIOL ORGO TEMPORARY ERON SILT FROM S	Cell	5	1	0	4

Temporary Erosion Control

Temporary Erosion Control Devices

Temporary Pipe 152mm - 914mm(6" - 36")	MultiLine	31	39	0	2
(R) Rock Ditch Check	Cell	1	34	0	0
Sediment Basin	Linear	1	37	0	2
Silt Fence (Inside)(Outside	Linear	7	38	Custom	4
-▲-BB- Silt Fence B (Inside)(Outside	Linear	7	38	Custom	4
-▲	Linear	7	38	Custom	4
Slope Limits	Linear	7	42	Custom	4
Slope Limits in Cut	Linear	7	42	Custom	4
F Slope Limits in Fill	Linear	7	42	Custom	4

Temporary Erosion Control

Temporary Erosion Control Devices (Cont.)

Component	Туре:	Color:	Level:	Line Style	Line Weight
Straw Bale Ditch Check	Cell	5	35	0	0
Straw Bale Fence	Cell	5	35	0	0
Temporary Berm	Linear	52	33	Custom	4

Lighting

Equipment

Equipment					
Cable-Conduit	Linear	51	46	Custom	4
Cable-Conduit (Existing)	Linear	51	46	3	2
======: Conduit, rigid (Existing)	Linear	51	46	Custom	1
■B■B■B■B■B■B Conduit, rigid (bridge)	Linear	51	46	Custom	2
■B■B■B■B■B■B Conduit, rigid (capped)	Linear	51	46	Custom	2
Conduit, rigid (median)	Linear	51	46	Custom	2
Conduit, rigid (pushed)	Linear	51	46	Custom	2
Conduit, rigid (trenched)	Linear	51	46	Custom	2
(Controller, Lighting	Cell	0	46	0	0
Γ⊑ Controller, Lighting (Existing)	Cell	0	46	Custom	0
Junction Box	Cell	5	48	0	0
O Post, wood	Cell	4	48	0	0
Power Cable	Linear	51	55	0	2
Ø Power Supply	Cell	2	46	0	0
Pull Box Conc. Type 1	Cell	0	48	0	0
Pull Box Conc. Type 2	Cell	0	48	0	0

Lighting

Equipment (Cont.)

Component	Type:	Color:	[eve]:	Line Style:	Line Weight:
Pull Box preformed Type 1	Cell	0	48	0	0
Pull Box preformed Type 2	Cell	0	48	0	0
□ Pull Box(Existing)	Cell	0	61	0	0

Lighting

Luminaires

Arm w/150w H.P.S.L. (4' to 15')	Cell	0	48	0	0
Arm w/250w H.P.S.L. (4' to 15')	Cell	0	48	0	0
Arm w/400w H.P.S.L. (4' to 15')	Cell	0	48	0	0
Existing Arm & Luminaire	Cell	0	48	0	0
High Mast Tower w/Luminaire	Cell	0	48	0	0
Underpass, 150w Luminaire	Cell	0	48	0	0

Lighting

Symbols/Patterns

Arrow, left open (plan)	Cell	0	8	0	0
Arrow, left solid (plan)	Cell	20	8		
Arrow, right open (plan)	Cell		8		
Arrow, right solid (plan)	Cell	20	8		
Arrow, straight open It (plan) Arrow, straight open rt (plan)			8		
Arrow, straight solid It (plan) Arrow, straight solid rt (plan)	Cell	20	8		
SCALE 0 20 40 60 Graphic Scale 1''= 20'	Cell		62		3
Scale 1''= 50'	Cell		62		3

Lighting

Symbols/Patterns (Cont.)

Component	Type:	Color:	Level:	Line Style:	Line Weight:
Lighting Legend	Cell				
Lighting Pattern 30'	Cell				
Lighting Pattern 45'	Cell				
North Arrow	Cell	2	5	0	0

Signals

Equipment

Equipment					
Component	Туре:	Color:	Level:	Line Style	Line Weight:
■B■B■B■B■B■B■ Conduit, bridge	Linear	51	46	Custom	2
======================================	Linear	51	46	Custom Custom Custom Custom	2
Conduit, median	Linear	51	46	Custom	2
Conduit, pushed	Linear	51	46	Custom	2
Conduit, trenched	Linear	51	46	Custom	2
Controller, Signals	Cell	0	46	0	0
িন্দ্র Controller, Signals (existing)	Cell	0	46	0	0
■ Detector	Cell	0	48	0	0
Detector, 6'x30' loop	Cell	0	48	0	0
Detector, 6'x6' loop	Cell	0	48	0	0

Signals

Equipment

Component	Type:	Color:	Level:	Line Style:	Line Weight:
BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	Linear	51	46	Sustom Custom Custom Custom Line	2
======================================	Linear	51	46	Custom	2
Conduit, median	Linear	51	46	Custom	2
Conduit, pushed	Linear	51	46	Custom	2
Conduit, trenched	Linear	51	46	Custom	2
⊠ Controller, Signals	Cell	0	46	0	0
্যান্ত্র Controller, Signals (existing)	Cell	0	46	0	0
■ Detector	Cell	0	48	0	0
Detector, 6'x30' loop	Cell	0	48	0	0
Detector, 6'x6'loop	Cell	0	48	0	0
Detector, push button	Cell	0	48	0	0
^{јст} п Junction Box	Cell	5	48	0	0
① Post, wood	Cell	4	32	0	0
Power Cable	Linear	51	46	Custom	1
Ø Power Supply	Cell	2	46	0	0
Pull Box Conc. Type 1	Cell	0	48	0	0
Pull Box Conc. Type 2	Cell	0	48	0	0
□ Pull Box (existing)	Cell	5	48	0	0

Signals

Equipment (Cont.)

Component	Туре:	Color:	Level	Line Style:	Line Weight:
Pull Box preformed Type 1	Cell	0	48	0	0
Pull Box preformed Type 2	Cell	0	48	0	0
♦ Signal Head,	Cell	0	48	0	0
Signal Head, (opt. lim.)	Cell	0	48	0	0
▲ Signal Head, (pedestrian)	Cell	0	48	0	0
Signal Head, (standard)	Cell	0	48	0	0
Signal Wire, straight (d38)	Linear	0	48	0	2
Span Wire	Linear	0	46	0	1

Signals

Mast Arms Type A Base

A Type Base 203mm x 1118mm (8' - 54')	Cell	0	46	0	0
--	------	---	----	---	---

Signals

Mast Arms Type B Base

B Type Base 203mm x 1118mm (8' - 54')	Cell	0	46	0	0
--	------	---	----	---	---

Signals

Pavement Marking

Perm. 8mm (4") Intermittent White	Linear	0	37	Dash 3	4
Perm. 8mm (4") Intermittent Yellow	Linear	20	37	Dash 3	4
Perm. 8mm (4") Solid White	Linear	0	37	0	4
Perm. 8mm (4") Solid Yellow	Linear	20	37	0	4

Signals

Pavement Marking

Component	Type:	Color:	Level	Line Style:	Line Weight:
Preformed Left Arrow	Cell	0	8	0	4
Preformed Right Arrow	Cell	0	8	0	4
Preformed Straight Arrow	Cell	0	8	0	4
Preformed Straight Left Arrow	Cell	0	8	0	4
Preformed Straight Right Arrow	Cell	0	8	0	4
ONLY Preformed ONLY (8')	Cell	0	8	0	4
Preformed ONLY (10')	Cell	0	8	0	4
Stop Line (12', 14' & 24')	Cell	0	37	0	4
Temp. 8mm (4") Intermittent White	Linear	0	36	Dash 3	4
Temp. 8mm (4") Intermittent Yellow	Linear	20	36	Dash 3 Dash	4
Temp. 8mm (4") Solid White	Linear	0	36	0	4
Temp. 8mm (4") Solid Yellow	Linear	20	36	0	4

Signals

Symbols/Patterns

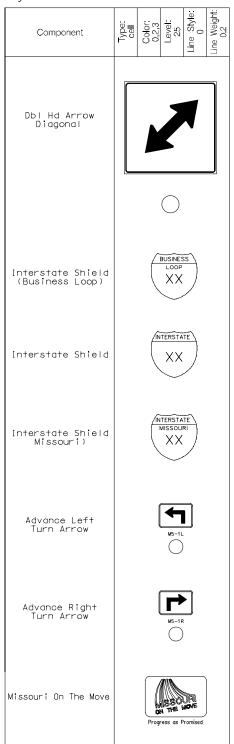
•					
□ D 38 Standard □ Plan Light	Cell	0	46	0	1
D 38 Standard Plan No Turn	Cell	20	46	0	1
D 38 Standard Plan Right Turn	Cell	20	46	0	1
TD 38 Standard Stop Line	Cell	20	46	0	1
SCALE 0 100 200 300 400 900 Graphic Scale 100'	Cell	0	62	0	
SCALE 0 20 40 60 Graphic Scale 20'	Cell	0	62	0	

Signals

Symbols/Patterns (Cont.)

Symbols/Patterns (Con	(.)				
Component	Type:	Color:	Level:	Line Style:	Line Weight:
SCALE 0 100 200 300 400 500 Graphic Scale 200'	Cell	0	62	0	
0 50 100 150 Graphic Scale 50'	Cell	0	62	0	
SCALE IN METERS Graphic Scale 1:100	Cell	0	62	0	
Graphic Scale 1:1000	Cell	0	62	0	
Scale 1: METERS Graphic Scale 1:200	Cell	0	62	0	
25 15 5 0 25 50 SCALE IN NETERS Graphic Scale 1:500	Cell	0	62	0	
North Arrow	Cell	2	5	0	
Symbol, Detector (Hexagon)	Cell	0	48	0	
XX Symbol, Pull Box (Rectangle)	Cell	0	48	0	
Symbol, Signal Head (Triang.)	Cell	0	48	0	
Symbol, Signal Pole (Circle)	Cell	0	48	0	
Traffic Signals Legend	Cell		1		
BAD NORTH DISCOUNT BAD DISCOUNT BATTER OLIVE TUrning Diagram	Cell		59		

Signing Signs (Cont.)

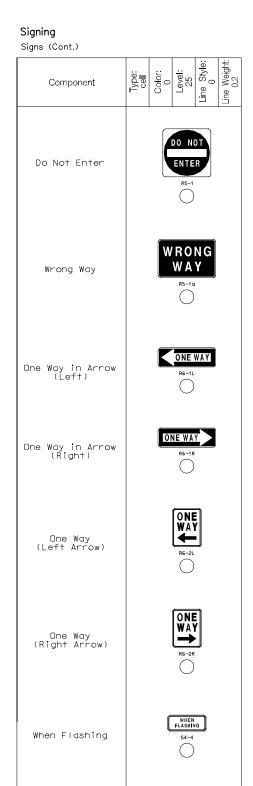


Signing Signs (Cont.)

Signs (Cont.)	
Component	Type: cell Color: 0 Level: 25 Line Style: 0 Line Weight:
S+op	STOP
Yield	YIELD R1-2
4-Way Plaque	4-WAY
3-Way Plaque	3-WAY R1-5
Road Closed	ROAD CLOSED
Road Closed Miles Ahead LTD	ROAD CLOSED MILES AHEAD LOCAL TRAFFIC ONLY
Road Closed to Thru Traffic	ROAD CLOSED TO THRU TRAFFIC

Signing Signing Signs (Cont.) Signs (Cont.) Color: 0,3 Level: 25 e Style: Level: 25 e Style: 0 Weight: 0,2 Weight: Component Component Line Line ΤO No U-Turn (Symbol) To Oncoming Traffic ONCOMING TRAFFIC LEFT LANE MUST Left Lane Must Turn Left SPEED LIMIT TURN LEFT Speed Limit XX RIGHT LANE MUST Right Lane Must Turn Right TURN RIGHT REDUCED R3-7R Reduced Speed Ahead **SPEED AHEAD** R2-5a Center Lane Only R3-9b or R3-9d (xx)No Right Turn (Symbol) DO NOT Do Not Pass PASS No Left Turn (Symbol) **KEEP** NO **LEFT** Keep Left TURNS No Turns

Signing Signs (Cont.) Level: 25 e Style: 0 Weight: 2 Component **KEEP** RIGHT Keep Right PASS WITH Pass With Care CARE R4-2 Keep Right (Symbol) KEEP Keep Right (Hor. Arrow) RIGHT R4-7a KEEP Keep Left (Hor. Arrow) LEFT Keep Left (Symbol)



Signing

Signs (Cont.)

Component	Type: cell Color: 0 Level: 25 Line Style: 0 Line Weight:
School Crossing	**
Shield-MO Highway	XXX
Straight Ahead Arrow	
U.S. Route Marker	XX
Railroad Crossing	R R

Signing

Symbols & Patterns

Component	Type:	Color:	Level:	Line Style:	Line Weight:
Hatch Area Pattern	Area Pattern	0	12	0	2
Cross Hatch Area Pattern	Area Pattern	0	12	0	2
Concrete Areafill	Area Pattern	0	12	0	2

Signing

Symbols & Patterns (Cont.)

Component	Туре:	Color:	Level:	Line Style:	Line Weight:
SIGN Sign Symbol	Linear	0	25	0	0
Delineator - White	Linear	0	25	0	2
Delineator - Yellow	Linear	20	25	0	2
Attenuator	Linear	0	48	0	2

Signing Section

Lines (Misc)

Component	Type:	Color:	Level:	Line Style	Line Weight:
Entrance Line	Linear	11	17	0	5
Grid Primary Lines	Linear	4	58	0	4
Grid Secondary Lines	Linear	7	58	0	1
Road Section	Linear	1	22	0	5

Signing Section

Signs

Existing Sign Board	Linear	1	25	Dash 2	2
Footing	Linear	0	25	0	4
Post	Linear	8	25	0	4
Post Behind Sign	Linear	150	25	Dash 2	2
Sign Board	Linear	0	25	0	4

Signing Section

Symbols/Patterns

Component	Туре:	Color:	Level:	Line Style:	Line Weight:
Concrete Areafill	Pattern	1	12	0	2
Earth Areafill	Area	8	12	0	2
←ir→ Graphic Scale 10	Cell	1	62	0	0
↑ <-20'-> Graphic Scale 20	Cell	1	62	0	0
Graphic Scale 5	Cell	1	62	0	0
Rock Areafill	Area	1	12	0	2

Signing Section

Utilities

Component	Type:	Color:	Level:	Line Style:	Line Weight:
CATV - UG Cable Exist	Smart Line	15	56	Custom	2
CATV - UG Cable New	Linear	70	56	Custom	4
G - UG Gas Exist	Smart Line	116	49	Custom	2
G - Gas New	Linear	60	49	Custom	2
P - UG Power Exist	Linear	115	55	Custom	2
P - UG Power New	Smart Line	51	55	Custom	4
++++++++++++++++++++++++++++++++++++++	Smart Line Smart Line	1	53	Custom	2
San Sewer Line Exist	Smart Line	114	51	Custom	2
San Sewer Line New	Linear	18	51	Custom	4
—— ss ——— SS - Storm Sewer Exist	Linear	114	51	Custom	2

Signing Section

Utilities (Cont.)

SS - Storm Sewer New	Linear	18	51	Custom	4
T - UG Telephone Exist	Linear	15	52	Custom	3
T- UG Telephone New	Smart Line	70	52	Custom	4
W - Water Line Exist	Smart Line	12	50	Custom	2
W - Water Line New	Linear	13	50	Custom	4

X-Section/Culverts

Drop Inlet Bases

Component	Туре:	Color:	Level:	Line Style:	Line Weight:
DI Base 610mm - 1219mm(2'-4') Left	Cell		43		
DI Base 610mm - 1219mm(2'-4') Right	Cell		43		
DI Base 610mm - 1219mm(2'-4') Center	Cell		43		
DI Base 1524mm (5') Center	Cell		43		
DIBase Type X variable Left	Cell		43		
DI Base Type X variable Right	Cell		43		

X-Section/Culverts

Drop Inlet Tops

A 914mm x 610mm(3'x2') left, right, sideview	Cell	43	
► ► ► ► ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ←	Cell	43	
B 914mm x 610mm(3'x2') 1219mm x 610mm(4'x2') left, right	Cell	43	
C 914mm x 610mm(3'x2') 1219mm x 610mm(4'x2') left, right	Cell	43	
Ħ Ħ D left w/ curb D right w/ curb	Cell	43	
D left w/out curb mhD right w/out curb mh	Cell	43	

X-Section/Culverts

Drop Inlet Tops (Cont.)

Component	Type:	Color:	Level:	Line Style:	Line Weight:
E variable front view E variable side view	Cell		43		
S-1 1524mm x 610mm(5'x2') 1524mm x 914mm(5'x3') side view S-1 variable side view	Cell		43		
S-2 1524mm x 610mm(5'x2') left, right	Cell		43		
S-2 variable left, right, sideview	Cell		43		
S-3 914mm x 610mm(3'x2') side view	Cell		43		
S-3 1524mm x 914mm(5'x3') left, right, sideview	Cell		43		
S-3 variable for E & EE mod.	Cell		43		
S-3 variable side view S-3 variable side view	Cell		43		
T 762mm x 914mm(2.5'x3') left, right	Cell		43		
T 762mm x 914mm(2.5'x3') left,right w/ manhole	Cell		43		
T variable	Cell		43		
M⊟ ⊨11 X variable left, right	Cell		43		

X-Section/Culverts

Flared End Sections (Concrete)

305mm - 1676mm (12''-66'') Inlet Left	Cell	43	
305mm - 1676mm (12"-66") Inlet Right	Cell	43	
305mm - 1676mm (12"-66") Outlet Left	Cell	43	
305mm - 1676mm (12''-66'') Outlet Right	Cell	43	

X-Section/Culverts

Flared End Sections (Concrete) (Cont.)

Component	Type:	Color:	Level:	Line Style	Line Weight:
Headwall Exist	Linear	31	43	Dash 2	2
Headwall New	Linear	31	43	0	2
Metal Flared End Section Exist	Linear	31	43	Dash 2	2
MetalFlared End Section New	Linear	31	43	0	2

X-Section/Culverts

Flared End Sections (Metal)

305mm - 2133 (12"-84) F.E.S. Left	Cell	43	
305mm - 2133 (12''-84) F.E.S. Right	Cell	43	

X-Section/Culverts

Lines (Ground, Flow, Entrance)

Component	Type:	Color:	Level:	Line Style:	Line Weight:
— - — - — - — - Centerline of Road	Linear	20	21	4	4
Existing Ground Line	Linear	4	21	Dash 3	4
Finished Ground Line	Linear	1	22	0	5
Subgrade Line	Linear	0	22	0	2
Entrance Line	Linear	11	17	0	5
Flowline of Pipe	Linear	31	43	0	1

X-Section/Culverts

Lines (Right of Way)

Component	Type:	Color:	Level:	Line Style:	Line Weight:
Permanent Easement	Linear	2	56	Dash 6	5
Existing Right of Way	Linear	6	56	Dash 4	5
New Right of Way	Linear	2	56	0	5
 Temporary Easement	Linear	6	56	Dash 3	5

X-Section/Culverts

Manholes - Precast

Manhole Top Type 4 variable	Cell	43		
Manhole Base Type 4 variable	Cell	43		
Manhole Top 1829mm(6')	Cell	43		
Manhole Base 1829mm(6')	Cell	43		

X-Section/Culverts

Pipes/Culverts

Component	Type	Color:	Level:	Line Style:	Line Weight:
457mm - 2438mm (1½' - 8') Box Culvert Exist	Multi-line	31	43	CustomCustom	2
457mm - 2438mm (1½' - 8') Box Culvert New	Multi-line Multi-line Multi-line Multi-line	31	43	Custom	4
CMP 152mm - 1676mm 6" - 66" Exist	Multi-line	31	43	Custom	2
CMP 152mm - 1676mm 6" - 66" New	Multi-line	31	43	Custom Custom	4
CMP Exist Line	Linear	31	43	Custom	2
CMP New Line	Linear	31	43	0	4
Culvert Exist Line	Linear	31	43	Custom	2
Culvert New Line	Linear	31	43	0	4

X-Section/Culverts

Pipes/Culverts (Cont.)

Component	Type:	Color:	Level:	Line Style:	Line Weight:
E=====================================	Multi-line	31	43	Custom	2
RCP 305mm - 1676mm 12'' - 66'' New	Multi-line	31	43	Custom	4
RCP Exist Line	Linear	31	43	Custom Custom	2
RCP New Line	Linear	31	43	0	4

X-Section/Culverts

Safety

Guardrail Section	Cell	24	
Traffic Barrier Section	Cell	35	

X-Section/Culverts

Symbols/Patterns

Symbols/Tutterns					
Component	Type:	Color:	Level:	Line Style:	Line Weight:
Class III Excavation Hatching	Area Pattern	0	12		
Concrete Pattern Area	Area Pattern	0	12		
Earth Pattern Area	Area Pattern	8	12		
~ ∿- Flowline Arrow	Cell		41		
Graphic Scale 10	Cell		62		
Graphic Scale 20	Cell		62		
Graphic Scale 5	Cell		62		
Rock Ditch Liner	Area Pattern	0	12		
Rock Lining	Linear	1	43	0	2
Steel Pattern Area	Area Pattern	0	12		

X-Section/Culverts

Utilities

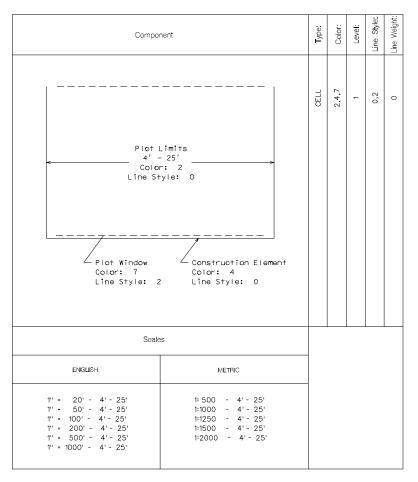
Componer	nt	Type:	Color:	Level:	Line Style:	Line Weight:
CATV - UG Cable Exist Section	\bigcirc	Linear	15	56	Dash 2	1
CATV - UG Cable New Section		Linear	70	56	0	4
G - Gas Existing Section		Linear	116	49	Dash 2	1
G - Gas New Section		Linear	60	49	0	4
P - Power UG Exist Section		Linear	115	54	Dash 2	1
P - Power UG New Section		Linear	51	54	0	4
RR - Railt	ops	Linear	1	53	0	1
S - San Sewer Exist Section	\bigcirc	Linear	114	51	Dash 2	1
S - San Sewer New Section		Linear	18	51	0	4
SS - Storm Sewer Exist Section	\bigcirc	Linear	114	43	Dash 2	1
SS - Storm Sewer New Section		Linear	18	43	0	4
T - Telephone UG Exist Section		Linear	15	52	Dash 2	1
T - Telephone UG New Section		Linear	70	52	0	4
W - Water Exist Section		Linear	12	50	Dash 2	1
W - Water New Section		Linear	13	50	0	4

X-Section/Culverts

Walls

Retaining Wall	Linear	99	23	0	4
Sound Wall	Linear	99	23	0	4

Preliminary Plan



Note: The Preliminary Plan settings manager is located in the pull down menu. ($\underline{\text{Mo}}\text{Dot/Preliminary Plan}$).